

PATENT COOPERATION TREATY

PCT

INTERNATIONAL-TYPE SEARCH REPORT

(PCT Article 15.5)

National application No. 0400199-6	Country or Office of filing SE	Applicant's or agent's file reference M183
Filing date (day/month/year) 30 January 2004		(Earliest) Priority Date (day/month/year)
Applicant Medivir AB		

Date of request for international-type search 30 January 2004	International-type search request No. SE 04/00061
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This international-type search report has been prepared by this International Searching Authority and is transmitted to the applicant.

This international-type search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international-type search was carried out on the basis of the application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international-type search was carried out on the basis of a translation of the application furnished to this Authority.

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II).

3. ☐ Unity of invention is lacking (See Box No. III).

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE2005/000096

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 54,56 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL-TYPE SEARCH REPORT

Search request No.

SE 04/00061

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C07D 401/12, C07D 215/22, A61K 31/4709, A61K 31/47, A61P 31/12
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CHEM. ABS. DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6265380 B1 (TUNG ET AL), 24 July 2001 (24.07.2001)	1-89
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A	EP 1408031 A1 (3 D GENE PHARMA), 14 April 2004 (14.04.2004)	1-89
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☐ Further documents are listed in the continuation of Box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international-type search

11 August 2004

Date of mailing of the international-type search report

2004 -08- 18

Name and mailing address of the ISA/

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INTERNATIONAL-TYPE SEARCH REPORT

Information on patent family members

03/07/2004

Search request No.

SE 04/00061

US	6265380	B1	24/07/2001	US	6617309	B	09/09/2003
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INTERNATIONAL SEARCH REPORT

Int: Application No
PCT/SE2005/000096

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K5/02 C07D401/12 C07D409/14 C07D405/14 C07D413/14
C07D417/14 C07D207/16 A61K31/47 A61P31/12 C07D487/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/09543 A (BOEHRINGER INGELHEIM LTD; LLINAS-BRUNET, MONTSE; BAILEY, MURRAY, D; C) 24 February 2000 (2000-02-24) cited in the application claims	1-56
A	US 2003/186895 A1 (LLINAS-BRUNET MONTSE ET AL) 2 October 2003 (2003-10-02) claims	1-56
X	EP 0 443 132 A (FUJISAWA PHARMACEUTICAL CO., LTD) 28 August 1991 (1991-08-28) page 7, formula XI	1-5
X	EP 0 126 587 A (SUMITOMO CHEMICAL COMPANY, LIMITED; SUMITOMO PHARMACEUTICALS COMPANY,) 28 November 1984 (1984-11-28) page 53, reference example 1-25	1-5
-/--		



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *A* document member of the same patent family

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8 August 2005

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Name and mailing address of the ISA

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De Jong, B

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2005/000096

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ZANOTTI, GIANCARLO ET AL: "Synthesis of analogs of amaninamide, an amatoxin from the white Amanita virosa mushroom" INTERNATIONAL JOURNAL OF PEPTIDE & PROTEIN RESEARCH , 30(4), 450-9 CODEN: IJPPC3; ISSN: 0367-8377, 1987, XP008050698 compound with RN=112772-43-7; 112772-44-8; 112772-45-9 page 454, right-hand column, line 19 - line 32	1-5
X	ZANOTTI, GIANCARLO ET AL: "Analogues of amanin. Synthesis of Ile3-amaninamide and its diastereoisomeric (S)-sulfoxide" INTERNATIONAL JOURNAL OF PEPTIDE & PROTEIN RESEARCH , 18(2), 162-8 CODEN: IJPPC3; ISSN: 0367-8377, 1981, XP008050700 page 166, right-hand column, line 26	1-5
E	WO 2005/010029 A (ENANTA PHARMACEUTICALS, INC; WU, FRANK, X., H; NAKAJIMA, SUANNE; OR, Y) 3 February 2005 (2005-02-03) the whole document	1-56

INTERNATIONAL SEARCH REPORT

In Application No
PCT/SE2005/000096

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INTERNATIONAL SEARCH REPORT

 Int. application No
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